

# Weco® check valves

TechnipFMC has redesigned the top entry check valve and added new, proprietary materials. These changes provide improved structural support and erosion tolerance, including added resistance to corrosive chemicals. The result is extended valve life – 2-3X life in acid service or 4-5X life in standard service.

## Extended life 3” 15k top entry check valve

The WECO® Extended life 3”15k top entry check Valve eliminates the need for special tools and reduces non-productive time which saves you time and money. The hammer union style body cap is easily detached, allowing access to hand removable internals for field servicing.

Like all pressure containing products, Weco check valves require special handling. **(See See warnings and cautions, pg. 88)**

### Recommended service:

high-pressure well-servicing lines, fracturing lines, testing lines, cementing and circulating lines, and other well service and stimulation applications.

### Top entry check valve parts

#### Part No. P558733

Standard Flow Check Valve Assembly

#### Part No. P561165

Reverse Flow Check Valve Assembly

### Replacement kits

#### Kit 1 – Part No. P561370

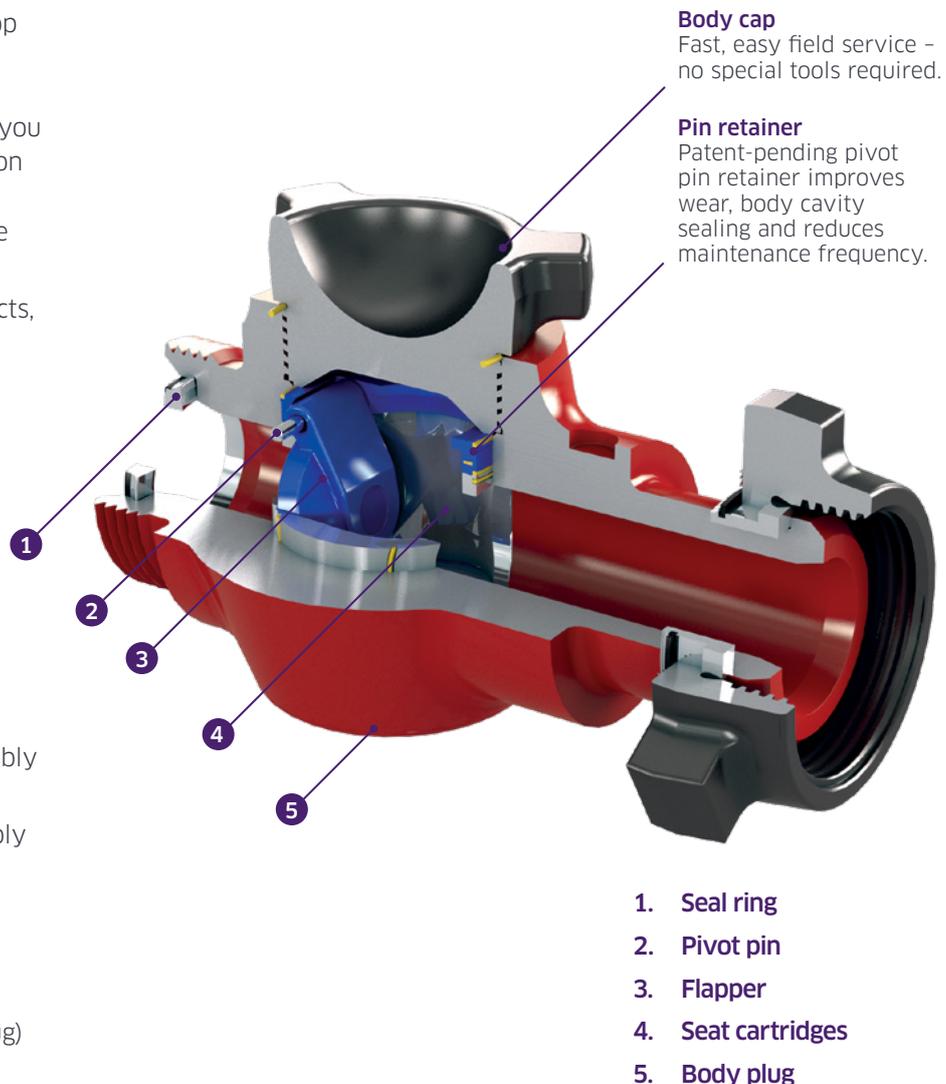
(Flapper and pin)

#### Kit 2 – Part No. P561369

(Flapper, pin, o-rings and body plug)

#### Kit 3 – Part No. P561861

(Cartridge insert, pin, body plug, o-rings)

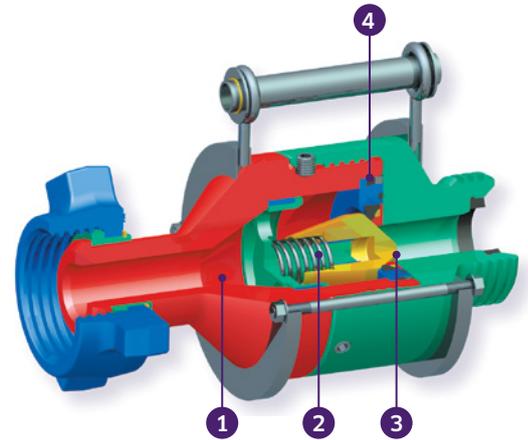


## Dart check valves

### Recommended service

Extreme nitrogen and carbon dioxide services; wet or dry non-erosive flow.

- 1. Minimizes explosive decompression**  
Explosive decompression resistant materials and design for long service life.
- 2. N<sub>2</sub> and CO<sub>2</sub> capability**  
Stainless steel internal components and special elastomer seal handle gas velocities in excess of 250 feet/second.
- 3. Low-inertia dart design**  
Hollow dart and fixed stem minimize pressure required to start flow. Non-metallic bushing reduces friction, increasing dart and stem life.
- 4. Easy, low-cost service**  
Main seal is located on seat, reducing exposure to flow. Enables seal to be replaced without replacing seat or dart.



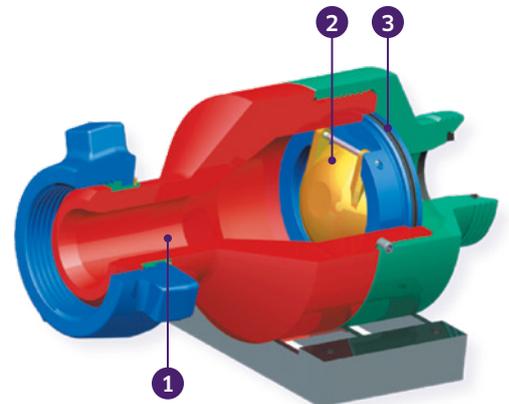
See specifications tables (pg. 12) for sizes, dimensions, weights, materials, and part numbers.

## Inline flapper check valves

### Recommended service

Slick water, sand, proppant/gel, and cement services

- 1. Open flow path**  
Flapper dynamics provide optimum flow through the valve and low flow differential.
- 2. Abrasion resistant flapper**  
Carboxylated nitrile flapper face is abrasion resistant against a complete range of well fluids.
- 3. Replaceable seat**  
Separate seat/body design ensures the seat can be replaced as needed.



# Weco® check valves

## Top entry check valves

Nominal size	CWP	Service	End connections	Flow	Part number	P/N - LT	in. (mm)	in. (mm)	lb kg	Repair kit	Elastomer set
2"	15,000	Standard	1502 MxF	Standard	P530589	P530589-LT	13.12 333	8.27 211	70 31.75	P528681	P528686
	15,000	Standard	1502 FxM	Reverse		P537198-LT	13.12 333	8.27 211	70 31.75	P528681	P528686
	15,000	Standard	1502 MxF	Standard		P537131-LT*	13.12 333	8.27 211	69 31.3	P528681	P528686
	10,000	Sour Gas	1502 FxM	Standard		P537196-LT	13.12 333	8.27 211	70 31.75	P537904	P537905
3"	15,000	Standard	1502 MxF	Standard	P558733	–	15.67 398	9.52 242	130 59	P561370 P561369 P561861	–
	15,000	Standard	1505 MxF	Standard	P562345	–	15.67 398	9.52 242	141 64	P561370 P561369 P561861	–
	15,000	Standard	1502 MxF	Reverse	P561165	–	15.67 398	9.52 242	130 59	P561370 P561369 P561861	–
	10,000	Sour Gas	1502 FxM	Standard	P537225	–	15.67 398	9.54 242	127 58	P508059	P508060
	6,000	Standard	602 MxF	Standard	P537202	–	15.67 398	9.54 242	124 57	P522215	P523359
	6,000	Standard	602 FxM	Reverse	P527120	–	15.67 398	9.54 242	124 57	P522215	P523359
4"	15,000	Standard	1502 MxF	Standard	P524760	–	19.75 502	11.88 302	276 126	P525441	P525505
	15,000	Standard	1502 MxF	Reverse	P527699	–	19.75 502	11.88 302	276 126	P525441	P525505
	10,000	Standard	1002 MxF	Standard	P525809	–	19.75 502	11.88 302	240 109	P525441	P525505
	10,000	Standard	1002 MxF	Reverse	P527018	–	19.75 502	11.88 302	240 109	P525441	P525505
	6,000	Standard	602 MxF	Standard	P527592	–	19.75 502	11.88 302	239 109	P525441	P525505

Note: \* Vent cap

## In-Line flapper check valves

Nominal size	CWP	Service	End connections	Flow	Part number	P/N - LT	in. mm	in. mm	lb kg	Repair kit	Elastomer set
2"	20,000	Standard	2002 MxF	Standard	P3269158	–	16.91	8.00	123 56	P519720	P535387
	20,000	Standard	2002 MxF	Reverse	P558714	–	16.91	8.00	123 56	P519720	P535387
1"	20,000	Standard	2002 MxF	Standard	P524738	–	16.91	8.00	123 56	P519720	P535387
1½"	20,000	Standard	2002 MxF	Standard	P543340	–	16.91	8.00	123 56	P519720	P535387
	20,000	Standard	2002 MxF	Reverse	P519734	–	16.91	8.00	123 56	P519720	P519720
3"	20,000	Standard	2002 MxF	Standard	P520099	–	16.91	8.00	123 56	P519720	P535387

## Dart check valves

Nominal size	CWP	Service	End connections	Flow	Part number	P/N - LT	in. mm	in. mm	lb kg	Repair kit	Elastomer set
1"	15,000	Standard	1502 MxF	Standard	P536118	–	14.04	10.31	76 35	P518835	P518834
1½"	15,000	Standard	1502 MxF	Reverse	P523811	–	14.04	10.31	86 39	P518835	P518834
	15,000	Standard	1502 MxF	Standard	P525269	–	14.04	10.31	84 39	P518835	P518834
2"	15,000	Standard	1502 MxF	Standard	P510771	–	14.04	10.31	87 40	P518835	P518834
3"	15,000	Standard	1502 MxF	Standard	P510773	–	15.67	11.43	130 59	P519874	P519873